

PAT-NO: JP403193982A
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TITLE: DYED CONJUGATE FIBER
PUBN-DATE: August 23, 1991

INVENTOR-INFORMATION:

NAME
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*Color fast to light
wash fast*

ASSIGNEE-INFORMATION:

NAME
TORAY IND INC

*Sheath- PA = $\leq 10\%$ dyed
(undyed)
Core - PET-
COUNTRY N/A*

APPL-NO: JP01331999
APPL-DATE: December 20, 1989

INT-CL (IPC): D06P003/82, D01F008/12 , D01F008/14

US-CL-CURRENT: 428/373

ABSTRACT:

PURPOSE: To obtain the subject fiber excellent in color fastness to light and washing by dyeing sheath-core type conjugate fiber in which a polyamide is arranged in the sheath part and a specific modified polyester is arranged in the core part only with a cationic dye to specific values of the percentage exhaustions in the sheath and core parts.

CONSTITUTION: Sheath-core type conjugate fiber in which a polyamide is arranged in the sheath part and a sulfonated aromatic

dicarboxylic
acid-modified polyester (e.g. sulfoxyisophthalic acid) is
arranged in the core
part at 20-75wt.% conjugate ratio of the polyamide sheath
part is dyed only
with a cationic dye to regulate the dye percentage
exhaustion of the sheath
part to $\leq 10\%$ based on that of the aforementioned core
part and $\leq 0.2\%$ owf.
Thereby, the objective conjugate fiber, excellent in color
fastness to light
and washing and dyed to a bright color is obtained. The
resultant fiber is
suitable as sportswear, outerwear, etc.

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